

MGAT4C Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12619b

Specification

MGAT4C Antibody (C-term) - Product Information

Application	IHC-P, WB,E
Primary Accession	Q9UBM8
Other Accession	Q6ITT3 , Q9D306 , Q4R4A8 , NP_037376.2
Reactivity	Human
Predicted	Monkey, Mouse, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	56061
Antigen Region	303-332

MGAT4C Antibody (C-term) - Additional Information

Gene ID 25834

Other Names

Alpha-1, 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C, N-acetylglucosaminyltransferase IV homolog, hGnT-IV-H, N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVc, GlcNAc-T IVc, GnT-IVc, N-acetylglucosaminyltransferase IVc, UDP-N-acetylglucosamine: alpha-1, 3-D-mannoside beta-1, 4-N-acetylglucosaminyltransferase IVc, MGAT4C

Target/Specificity

This MGAT4C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 303-332 amino acids from the C-terminal region of human MGAT4C.

Dilution

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MGAT4C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MGAT4C Antibody (C-term) - Protein Information

Name MGAT4C

Function Glycosyltransferase that participates in the transfer of N- acetylglucosamine (GlcNAc) to the core mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAcbeta1-4 branch on the GlcNAcbeta1-2Manalpha1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains (By similarity). Does not catalyze the transfer of GlcNAc to the Manalpha1-6 arm to form GlcNAcBeta1-4Manalpha1-6 linkage ('GnT-VI' activity).

Cellular Location

Golgi apparatus membrane; Single- pass type II membrane protein

Tissue Location

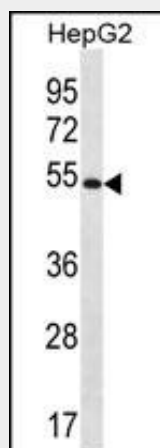
Expressed in heart, adrenal gland, testis, liver, brain and fetal brain. Not expressed in pancreas

MGAT4C Antibody (C-term) - Protocols

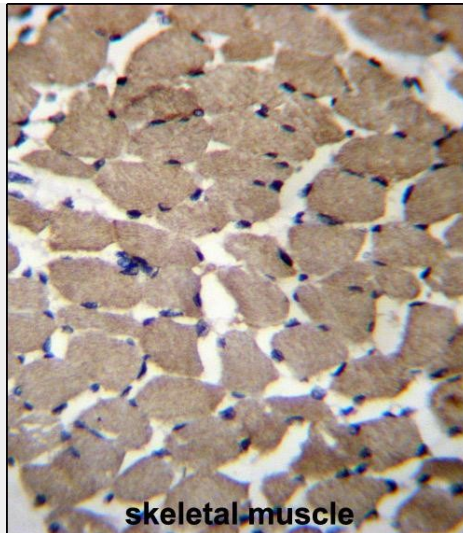
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MGAT4C Antibody (C-term) - Images



MGAT4C Antibody (C-term) (Cat. #AP12619b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the MGAT4C antibody detected the MGAT4C protein (arrow).



MGAT4C Antibody (C-term) (Cat. #AP12619b) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MGAT4C Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

MGAT4C Antibody (C-term) - Background

Glycosyltransferase that participates in the transfer of N-acetylglucosamine (GlcNAc) to the core mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAc β 1-4 branch on the GlcNAc β 1-2Man α 1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains (By similarity). Does not catalyze the transfer of GlcNAc to the Man α 1-6 arm to form GlcNAc β 1-4Man α 1-6 linkage ('GnT-VI' activity).

MGAT4C Antibody (C-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Trynka, G., et al. Gut 58(8):1078-1083(2009)
Furukawa, T., et al. J. Hum. Genet. 44(6):397-401(1999)
Thomas, B.A. Br. J. Dermatol. 80 (6), 413 (1968) :